From the INTERNATIONAL SEARCHING AUTHORITY

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Okabe Masao

No.602, Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 Japan

WDITTEN ODINION OF

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)

FOR FURTHER ACTION

01.02.2005

Applicant's or agent's file reference

10003819WO01

International filing date (day/month/year)

PATENT COOPERATION TREATY

Priority date (day/month/year)

See paragraph 2 below

International application No. PCT/JP2004/017643

19.11.2004

21.11.2003

International Patent Classification (IPC) or both national classification and IPC

Int.Cl: H05B33/14, C09K11/06, C07D209/86

Applicant

CANON KABUSHIKI KAISHA

1.	This opinion contains indications relating to the following items:							
	Box No. I Basis of the opinion							
		Box No. II	Priority					
		Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
		Lack of unity of invention						
	V	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	V	Box No. VI	Certain documents cited					
		Box No. VII	Certain defects in the international application					
	V	Box No. VIII	Certain observations on the international application					
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2.	. FURTHER ACTION							
	If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
	For further options, see Form PCT/ISA/220.							
3	B. For further details, see notes to Form PCT/ISA/220.							

Date of completion of this opinion 13.01	.2005		
Name and mailing address of the ISA/JP	Authorized officer	2V	9314
Japan Patent Office	SATOMURA TOSHIMITS	لتا	
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101 Ext. 3	271	

Form PCT/ISA/237 (cover sheet) (January 2004)

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10/573789 IAP5 Rec'd PCT/PTO 28 MAR 2006

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International application No.
PCT/JP2004/017643

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Box	No. I	Basis of the opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in hit was filed, unless otherwise indicated under this item.
•	Ш	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ed invention, this opinion has been established on the basis of:
	a. typ	e of material "
		a sequence listing
		table(s) related to the sequence listing
	b. for	mat of material
		in written format
		in computer readable form
	c. tin	ne of filing/fumishing
	_ 	contained in the international application as filed. filed together with the international application in computer readable form.
	ᅡ	furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that
		in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Add	itional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/017643

. Statement			
Novelty (N)	Claims		YES
	Claims	1-23	NO
Inventive step (IS)	Claims		YES
	Claims	1-23	МО
Industrial applicability (IA)	Claims	1-23	YES
	Claims	<u>.</u>	NO

2. Citations and explanations

D1: JP 2003-268362 A (IDEMITSU KOSAN.,LTD.) 25 September 2003(25.09.03) Claim 6, Example 3 in Table 2

All claims

Example 3 in Table 2 of D1 discloses the phosphorescent light-emitting device comprising a host material represented by the formula A33 at page 4 having, in a molecule, at least both an indole ring and a carbazole ring.

With regard to the phosphorescence lifetime of the compound A33, it is likely that the lifetime is 880 ms or more at 77K, as can be inferred from lines 8-12 at page 60 of the specification.

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Box No. VI Certain documents cited								
1.	1. Certain published documents (Rules 43bis.1 and 70.10)							
		Application No. Patent No.		Publication (day/mont		Filing date (day/month/year)	Priority date (valid claim) (day/month/year)	
	JP	2004-14155 E,A	A 3	L5.01.	2004	04.06.2002	2	
				:				
						*		
2. Non-written disclosures (Rules 43bis.1 and 70.9)						Date of written disclosure		
	Kind of non-written disclosure			re		-written disclosure month/year)	referring to non-written disclosure (day/month/year)	
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

With regard to claim 6, and page 71

It is inferred that the term "fluorescence" is a typographical error for "phosphorescence" from the whole context of the specification.

With regard to claims 1-8 and 21-23

Claims 1-8, 21-23 are directed to a light-emitting device comprising a layer of organic compound having a phosphorescence lifetime of 880 ms or more at 77K. In these claims, the compound covers electroluminescent materials other than a host material.

On the other hand, as can be seen from the description at page 59 about the technical significance of the compound, the lifetime of a host material plays a role in enhancing "efficiency saturation current".

Therefore, the specification substantially discloses only such a light-emitting device that contains the compound as a host material.

Consequently, these claims are not sufficiently supported by the description as required by Article 6 PCT as their scope is broader than justified by the description and drawings.